

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

550,388

PCT/JP2004/004029



Applicant's or agent's file reference 664414	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/JP2004/004029	International filing date (day/month/year) 24 March 2004 (24.03.2004)	Priority date (day/month/year) 25 March 2003 (25.03.2003)
International Patent Classification (IPC) or national classification and IPC B29C 45/14, 45/26, B44C 1/24		
Applicant NISSHA PRINTING CO., LTD.		

- This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
- This report is also accompanied by ANNEXES, comprising:
  - ☐ (sent to the applicant and to the International Bureau) a total of \_\_\_\_\_ sheets, as follows:
    - ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) \_\_\_\_\_, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
- This report contains indications relating to the following items:
  - ☒ Box No. I Basis of the report
  - ☐ Box No. II Priority
  - ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
  - ☒ Box No. IV Lack of unity of invention
  - ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - ☒ Box No. VI Certain documents cited
  - ☐ Box No. VII Certain defects in the international application
  - ☐ Box No. VIII Certain observations on the international application

Date of submission of the demand 21 October 2004 (21.10.2004)	Date of completion of this report 01 June 2005 (01.06.2005)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/004029

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is language of a translation furnished for the purpose of:
- ☐ international search (under Rules 12.3 and 23.1(b))
  - ☐ publication of the international application (under Rule 12.4)
  - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ The international application as originally filed/furnished
- ☐ the description:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the claims:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_, as amended (together with any statement) under Article 19
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the drawings:
- pages \_\_\_\_\_, as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP04/004029

## Box No. IV Lack of unity of invention

1. ☐ In response to the invitation to restrict or pay additional fees the applicant has:

- ☐ restricted the claims.  
☐ paid additional fees.  
☐ paid additional fees under protest.  
☒ neither restricted nor paid additional fees.

2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.

3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is

- ☐ complied with.  
☒ not complied with for the following reasons:

The subject matters of claims 1 and 8 are described in JP, 8-300399, A and JP, 11-99536, A, and so have no special technical feature. Accordingly, the inventions of the present application consist of the following six groups of inventions:

- (1) The subject matters of claims 2, 4, 9 and 15 specifying that they have a molding space for injecting a resin;
- (2) The subject matters of claims 3 and 14 specifying that they have a plurality of product-molding spaces;
- (3) The subject matters of claims 5-7 specifying that they are injection and compression molding;
- (4) The subject matters of claims 10 and 11 specifying that they have a film-holding part;
- (5) The subject matter of claim 12 specifying that it has a recessed groove and a protruded engaging part, and
- (6) The subject matter of claim 13 specifying that it has an air-vent part.

4. Consequently, this report has been established in respect of the following parts of the international application:

- ☐ all parts.  
☒ the parts relating to claims Nos. 1, 2, 4, 8, 9, 15

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP04/004029

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)

Claims

2, 4, 9, 15

YES

Claims

1, 8

NO

Inventive step (IS)

Claims

2, 4, 9, 15

YES

Claims

1, 8

NO

Industrial applicability (IA)

Claims

1, 2, 4, 8, 9, 15

YES

Claims

NO

## 2. Citations and explanations (Rule 70.7)

Document 1: JP, 11-99536, A (Dainippon Printing Co., Ltd.), 13 April, 1999 (13.04.99), Claim 1, [0030], Figs. 2 and 3

Document 2: JP, 8-300399, A (Nissan Motor Co., Ltd.), 19 November, 1996 (19.11.96), claims, drawings

Document 3: Microfilm of the specification and drawings annexed to the application for Japanese Utility Model Application No. 115266/1990 (Laid-open No. 71216/1992) (Araco Corp.), 24 June, 1992 (24.06.92), claims, (Family: none)

Document 3: Microfilm of the specification and drawings annexed to the application for Japanese Utility Model Application No. 38861/1987 (Laid-open No. 145616/1988) (Mitsubishi Plastics, Inc.), 26 September, 1988 (26.09.88), claims, (Family: none)

### Claims 1 and 8

The subject matters of claims 1 and 8 are described in document 1, Claim 1, [0030], Figs. 2 and 3, or in newly cited document 2, claims, drawings, and so, do not appear to be novel or involve an inventive step.

Document 1 describes integrated molding of a painting sheet, and describes that burr-preventing grooves are formed around the whole or parts of the circumference of a cavity. A part of molding resin is discharged into the burr-preventing grooves described in document 1 from the cavity (a product-molding space), so the grooves correspond to a molding space for discharging resin.

Document 2 also describes integrated molding of a painting sheet, and describes that burr-preventing grooves are formed around the whole or parts of the circumference of a cavity.

### Claims 2, 4, 9 and 15

The subject matters of claims 2, 4, 9 and 15 are not described in any of the documents cited in the ISR or document 2 newly cited, nor would be obvious to a person skilled in the art.

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP04/004029

Box No. VI Certain documents cited

## 1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
JP 2003-285355 A [E, X]	2003.10.07	2002.03.29	

## 2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)